

RENF22R2MMW

Relè temporizzato Harmony NFC modulare ,
8 A, 2 NC/NO, 0.1 s...999 h, multifunzione,
24...240 V AC/DC



Presentazione

Gamma prodotto	Harmony Timer Relays
Tipo prodotto	Multifunction relay
Nome dispositivo	RENF22
Supported OS	Android
Versione software	V4.4 and above
App for product	Zelio NFC (downloadable from Google Play store)

Caratteristiche tecniche

Tipo uscita digitale	Relè
Corrente di uscita nominale	8 A
Composizione e tipo di contatti	2 OC contatto temporizzato, senza cadmio 1 C/O timed and instantaneous contact, senza cadmio
Tipo temporizzazione	Power on-delay On-delay and off-delay Pulse delay Asymmetrical on-delay and off-delay Interval Ritardo alla diseccitazione Symmetrical flashing Safe-guard Star-delta Asymmetrical flashing Bistable
Gamma di temporizzazione	0.1 s...999 h
Compatibilità prodotto	NFC enabled mobile device
Tensione nominale di alimentazione [Us]	24...240 V CA/CC
Release input voltage	$\leq 2,4$ V
Intervallo di tensione	0,85...1,1 Un
Maximum RF power transmitted	0,0002 mW
NFC operating frequency	13.56 MHz
Frequenza di alimentazione	50...60 Hz +/- 5 %
Connessioni - morsetti	Morsetti a vite, 1 x 0,5...1 x 3,3 mm ² (AWG 20...AWG 12) solido senza estremità cavo Morsetti a vite, 2 x 0,5...2 x 2,5 mm ² (AWG 20...AWG 14) solido senza estremità cavo Morsetti a vite, 1 x 0,2...1 x 2,5 mm ² (AWG 24...AWG 14) flessibile con estremità cavo Morsetti a vite, 2 x 0,2...2 x 1,5 mm ² (AWG 24...AWG 16) flessibile con estremità cavo
Coppia di serraggio	0,6...1 Nm conforme a IEC 60947-1 0,60...0,99 Nm conforme a IEC 60947-1
Materiale involucro	Autoestinguente
Precisione ripetizione	+/- 0,2 % per 10 s...999 h intervallo di ritardo +/- 0,5 % per 100 ms...10 s intervallo di ritardo
Deriva di temperatura	+/- 0,05 %/°C
Deriva della tensione	+/- 0,2 %/V

Accuratezza regolazione temporizzazione	+/- 1 % per 1...999 h intervallo di ritardo a 25 °C +/- 2 % per 1 H intervallo di ritardo a 25 °C +/- 20 ms per 100 ms...10 s intervallo di ritardo a 25 °C
Control signal pulse width	100 Ms con carico in parallelo 60 ms senza carico
Resistenza di isolamento	100 MΩ a 500 V CC conforme a IEC 60664-1
Recovery time	120 ms alla disattivazione
Potenza assorbita in VA	3 VA a 240 V CA
Potenza assorbita in W	1,5 W a 240 V DC 0,6 W a 24 V DC
Capacità di commutazione in VA	2000 VA
Minima corrente di commutazione	10 mA a 5 V
Corrente massima di commutazione	8 A
Massima tensione di commutazione	250 V
Durata elettrica	100000 cicli per resistivo carico, 8 A a 250 V, AC
Durata meccanica	10000000 cicli
Rated impulse withstand voltage	5 kV 1,2/50 μs conforme a IEC 60664-1
Power on delay	100 ms
Linea di fuga	4 kV/3 conforme a IEC 60664-1
Categoria di sovratensione	Acti9 VigiARC iC40 conforme a IEC 60664-1
Dati di affidabilità sicurezza	MTTFd = 227.5 years 100 % duty cycle continuous operating condition at 30 °C
Installazione	Qualunque posizione
Supporto per montaggio	Guida DIN 35 mm conforme a EN/IEC 60715
Status LED	Un, verde LED: (fisso) per Alimentazione ON R1, giallo LED: (fisso) per relay energised R2, giallo LED: (fisso) per relay energised Pairing, verde LED: (fisso) per stato di comunicazione Un, verde LED: (fast blinking) per diagnosis mode R1, giallo LED: (blinking) per timing in progress R2, giallo LED: (blinking) per timing in progress
Maximum communication distance	10 mm
Tempo di risposta	2 s
Funzione disponibile	A- Power on-delay relay-2 OC Ac- On-delay and off-delay relay w/ control signal-2 OC Ad- Pulse delayed relay w/ control signal-2 OC Ah- Pulse delayed relay (single cycle) w/ control signal-2 OC Ak- Asymmetrical on-delay and off -delay relay w/ control signal-2 OC At- Power on-delay relay w/ pause/summation (Y1)-2 OC B- Single interval relay w/ control signal-2 OC Bw- Double interval relay w/ control signal-2 OC C- Off-delay relay w/ control signal-2 OC D- Symmetrical flashing relay (starting pulse-off)-2 OC Di- Symmetrical flashing relay (starting pulse-on)-2 OC Dt- Symmetrical flashing relay (starting pulse-off) w/ pause/summation (Y1)-2 OC Dit- Symmetrical flashing relay (starting pulse-on) w/ pause/summation (Y1)-2 OC H- Interval relay-2 OC Ht- Interval relay w/ pause/summation (Y1)-2 OC Li- Asymmetrical flashing relay (starting pulse-on)-2 OC Lt- Asymmetrical flashing relay (starting pulse-off) w/ pause/summation (Y1)-2 OC Lit- Asymmetrical flashing relay (starting pulse-on) w/ pause/summation (Y1)-2 OC N- Safe-guard relay-2 OC O- Delayed Safe-guard relay-2 OC P- Pulse delayed relay w/ fixed pulse length-2 OC Pt- Pulse delayed relay w/ fixed pulse length and pause/summation-2 OC Qt- Star-delta relay (2 CO outputs w/ split common)-2 OC Qtt- Star-delta relay (2 CO outputs w/ split common) w/ pause/summation (Y1)-2 OC TI- Bistable relay w/ control signal on-2 OC Tt- Retriggerable bistable relay w/ control signal on-2 OC W- Interval relay w/ control signal off-2 OC L- Asymmetrical flashing relay (starting pulse-off)-2 OC
Larghezza	22,5 mm
Peso prodotto	0,0904 kg

Ambiente

Immunità alle microinterruzioni	10 ms
Resistenza dielettrica	2,5 kV per 1 mA/1 minuto a 50 Hz con between relay output and power supply with basic insulation Con basic insulation
Standard	EN 61000-6-1 EN 61000-6-2 EN 61000-6-4 EN 61812-1 EN 61000-6-3
Comandi	2014/35/EU - low voltage directive 2014/53/EU - radio equipment directive 2014/30/EU - electromagnetic compatibility
Certificazioni prodotto	CE CSA KC UL CCC EAC DNV-GL
Temperatura ambiente	-20...60 °C
Temperatura di stoccaggio	-40...70 °C
Grado di protezione IP	IP40 housing: conforme a IEC 60529 IP40 Lato frontale: conforme a IEC 60529 IP20 morsetti: conforme a IEC 60529
Grado di inquinamento	3 conforme a IEC 60664-1
Resistenza alle vibrazioni	20 m/s ² (F= 10...150 Hz) conforme a IEC 60068-2-6
Resistenza agli shock	15 gn non funzionante per 11 ms conforme a IEC 60068-2-27 5 gn in funzionamento per 11 ms conforme a IEC 60068-2-27
Umidità relativa	95 % a 25...55 °C
Compatibilità elettromagnetica	Test immunità scarica elettrostatica 6 kV (scarica contatto)livello 3 conforme a EN/IEC 61000-4-2 Test immunità scarica elettrostatica 8 kV (scarico aria)livello 3 conforme a EN/IEC 61000-4-2 Test d'immunità ai transienti rapidi 1 kV (clip collegamento capacitivo)livello 3 conforme a IEC 61000-4-4 Test d'immunità ai transienti rapidi 2 kV (contatto diretto)livello 3 conforme a IEC 61000-4-4 Test di immunità alle sovratensioni 1 kV (modo differenziale)livello 3 conforme a IEC 61000-4-5 Test di immunità alle sovratensioni 2 kV (modo comune)livello 3 conforme a IEC 61000-4-5 Test immunità ai campi elettromagnetici irradiati a radiofrequenza 10 V (0,15...80 MHz)livello 3 conforme a IEC 61000-4-6 Test immunità campo elettromagnetico 10 V/m (80 MHz...1 GHz)livello 3 conforme a IEC 61000-4-3 Immunità alle microrotture e alle cadute di tensione 0.3 (500 ms) conforme a IEC 61000-4-11 Immunità alle microrotture e alle cadute di tensione 1 (20 ms) conforme a IEC 61000-4-11 Emissione irradiataclasse B conforme a EN 55022 Emissione condottaclasse A conforme a EN 55022 Test immunità campo elettromagnetico 3 V/m (1,4 GHz...2 GHz)livello 2 conforme a IEC 61000-4-3 Test immunità campo elettromagnetico 1 V/m (2...2,7 GHz)level 1 conforme a IEC 61000-4-3

Confezionamenti

Unità di misura confezione 1	PCE
Numero di unità per confezione 1	1
Confezione 1: altezza	2,4 cm
Confezione 1: larghezza	8,05 cm
Confezione 1: profondità	9,45 cm
Confezione 1: peso	103,635 g
Unità di misura confezione 2	S02
Numero di unità per confezione 2	40
Confezione 2: altezza	15,0 cm

Confezione 2: larghezza	30,0 cm
Confezione 2: profondità	40,0 cm
Confezione 2: peso	4,616 kg
Unità di misura confezione 3	P06
Numero di unità per confezione 3	640
Confezione 3: altezza	70,0 cm
Confezione 3: larghezza	60,0 cm
Confezione 3: profondità	80,0 cm
Confezione 3: peso	84,13 kg

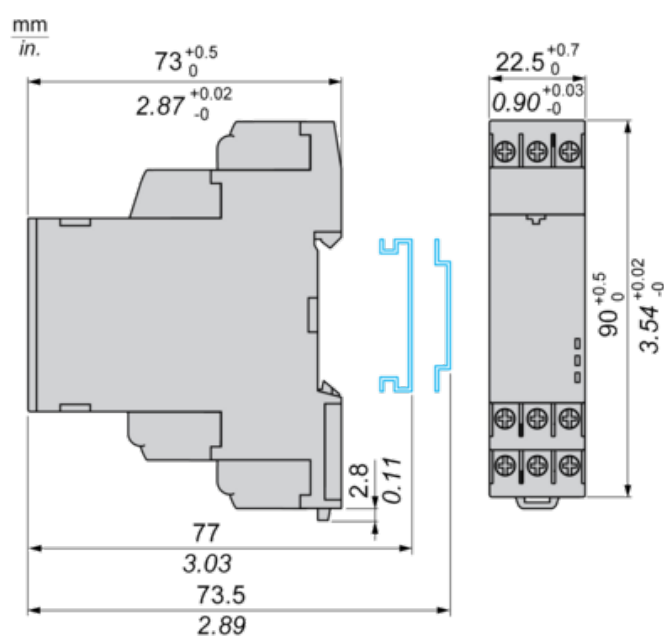
Sostenibilità dell'offerta

Stato offerta sostenibile	Prodotto Green Premium
Regolamento REACH	Dichiarazione REACH
Direttiva RoHS UE	Conformità proattiva (prodotto al di fuori dell'ambito legale di RoHS Unione europea) EU RoHS Dichiarazione
Senza mercurio	Sì
Regolamento RoHS della Cina	Dichiarazione RoHS Della Cina
Informazioni esenzioni RoHS	Sì
Informazioni ambientali	Profilo Ambientale Del Prodotto
Profilo di circolarità	Informazioni Sulla Fine Della Vita

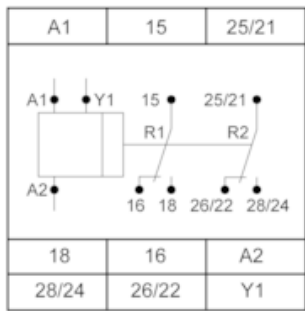
Garanzia contrattuale

Garanzia	18 mesi
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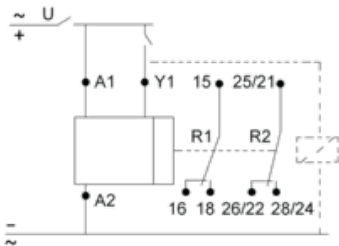
Dimensions



Internal Wiring Diagram



Wiring Diagram

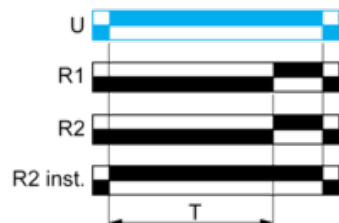


Function A: Power On-Delay Relay

Description

On energisation of power supply, the timing period T starts. After timing, the output(s) R close(s). The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

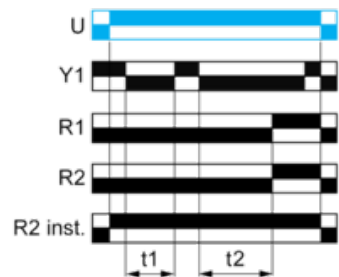


Function At: Power On-Delay Relay with Pause / Summation Control Signal

Description

On energisation of power supply, the timing period T starts. Timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R close(s). The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T = t1 + t2 + \dots$$

Function Ac: On-Delay and Off-Delay Relay with Control Signal

Description

After energisation of power supply and energization of Y1 causes the timing period T to start.

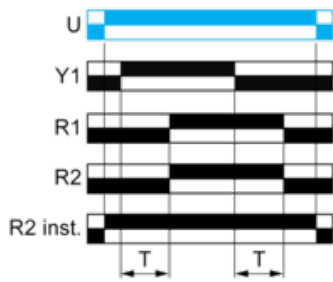
At the end of this timing period, the output(s) R close(s).

When deenergization of Y1, the timing T starts.

At the end of this timing period T, the output(s) R revert(s) to its/their initial position.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Ad : Pulse Delayed Relay with Control Signal

Description

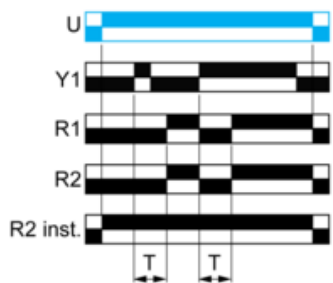
After energisation of power supply, pulsing or maintaining of energization of Y1 starts the timing T.

At the end of this timing period T, the output(s) R close(s).

The output(s) R reverts to its initial position the next time Y1 is energized in pulsation or permanent energized manner.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Ah : Pulse Delayed Relay (Single Cycle) with Control Signal

Description

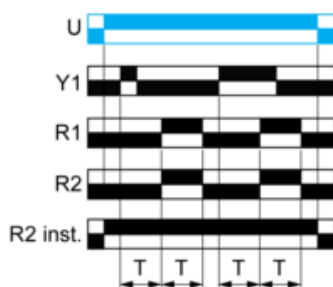
After energisation of power supply, pulsing or maintaining of energization of Y1 starts the timing T.

A single flashing cycle then starts with 2 timing periods T of equal duration (start with output(s) R in initial position). Output(s) R closes at the end of the first timing period T and reverts to its initial position at the end of the second timing period T.

Re-energizing of Y1, either in pulsation or permanent energized manner, will re-start the single flashing cycle again.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Ak: Asymmetrical On-Delay and Off-Delay Relay With Control Signal

Description

After energisation of power supply and energization of Y1, timing starts for a period Ta.

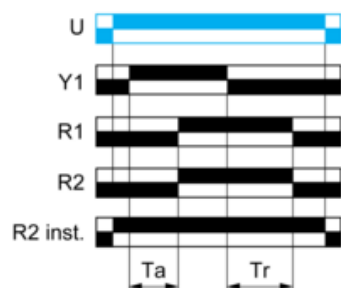
At the end of this timing period Ta, the output(s) R closes.

Deenergization of Y1 causes a second timing period Tr to start.

At the end of this timing period Tr, the output(s) R reverts to its initial state.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function B: Single Interval Relay with Control Signal

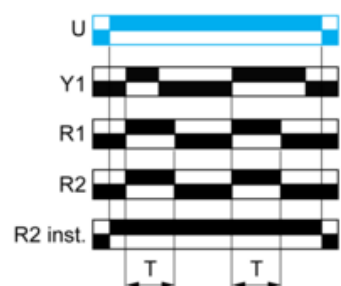
Description

After energisation of power supply, pulsing or maintaining of energization of Y1 starts the timing T.

The output(s) R close(s) for the duration of the timing period T then revert(s) to its/their initial state.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



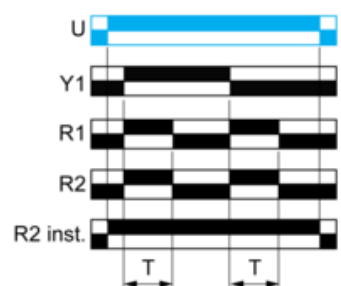
Function Bw : Double Interval Relay with Control Signal

Description

After energisation of power supply, transition of Y1 (either from energization to deenergization or vice-versa) will cause the output(s) R close(s) for the duration of the timing period T then revert(s) to its/their initial state.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

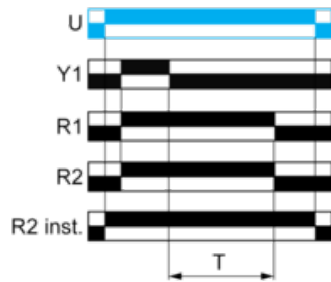


Function C: Off-Delay Relay with Control Signal

Description

After energisation of power supply and energization of Y1 causes output(s) R close(s). When Y1 deenergizes, timing T starts. At the end of this timing period T, the output(s) R revert(s) to its/their initial position. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

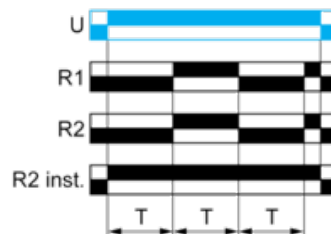


Function D: Symmetrical Flashing Relay (Starting Pulse-Off)

Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration T then change(s) to output(s) R close(s) for the same timing duration T. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

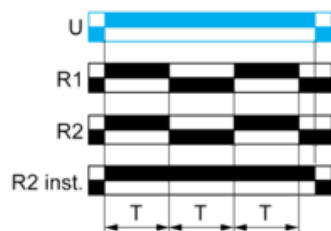


Function Di: Symmetrical Flashing Relay (Starting Pulse-On)

Description

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T then revert(s) to its/their initial state for the same timing duration T. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

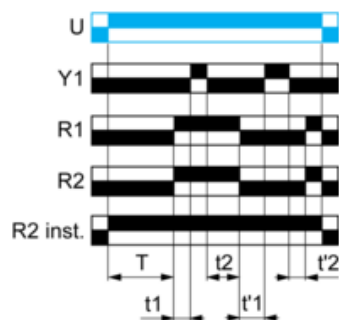


Function Dt: Symmetrical Flashing Relay (Starting Pulse-Off) With Pause / Summation Control Signal

Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration T and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, then changes to output(s) R close(s). The output(s) R close state will remain for the same timing duration T and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T = t_1 + t_2 + \dots$$

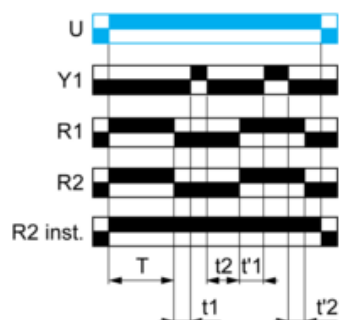
$$T = t'_1 + t'_2 + \dots$$

Function Dit: Symmetrical Flashing Relay (Starting Pulse-On) With Pause / Summation Control Signal

Description

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, then revert(s) to its/their initial state. The output(s) R at initial state will remain for the same timing duration T and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R change(s) to close state. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T = t_1 + t_2 + \dots$$

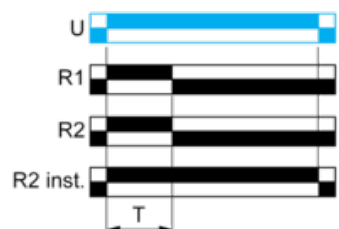
$$T = t'_1 + t'_2 + \dots$$

Function H: Interval Relay

Description

On energisation of power supply, output(s) R close(s) and timing period T starts. At the end of the timing period T, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

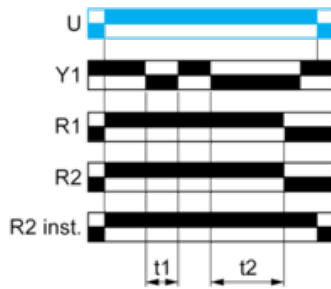


Function Ht: Interval Relay With Pause / Summation Control Signal

Description

On energisation of power supply, output(s) R close(s) and timing period T starts. The timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T = t1 + t2 + \dots$$

Function L: Asymmetrical Flashing Relay (Starting Pulse-Off)

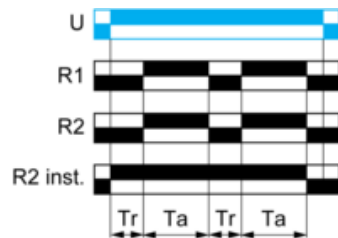
Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration T_r then change(s) to output(s) R close(s) for the another timing duration T_a .

This cycle is repeated indefinitely until power supply removal.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Li: Asymmetrical Flashing Relay (Starting Pulse-On)

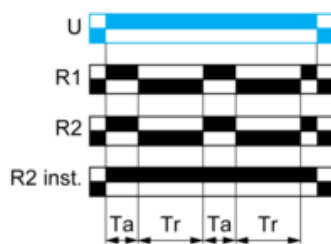
Description

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T_a then change(s) to its/their initial state for timing duration T_r .

This cycle is repeated indefinitely until power supply removal.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Lt: Asymmetrical Flashing Relay (Starting Pulse-Off) With Pause / Summation Control Signal

Description

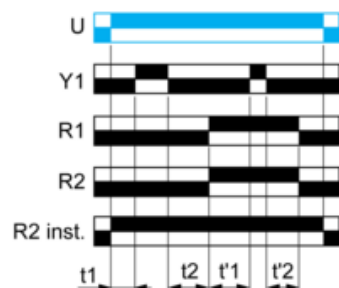
On energisation of power supply, output(s) R starts at its/their initial state for timing duration T_r and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T_r , then changes to output(s) R close(s).

The output(s) R close state will remain for the same timing duration T_a and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T_a , the output(s) R revert(s) to its/their initial state.

This cycle is repeated indefinitely until power supply removal.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T_r = t_1 + t_2 + \dots$$

$$T_a = t'_1 + t'_2 + \dots$$

Function Lit: Asymmetrical Flashing Relay (Starting Pulse-On) With Pause / Summation Control Signal

Description

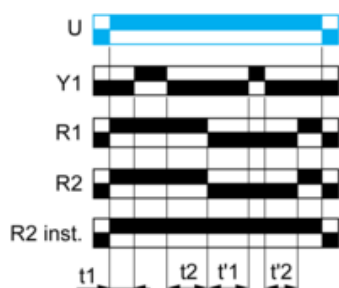
On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T_a and the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T_a , the output(s) R revert(s) to its/their initial state.

The output(s) R at initial state will remain for timing duration T_r the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T_r , then changes to output(s) R close(s).

This cycle is repeated indefinitely until power supply removal.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$$T_a = t_1 + t_2 + \dots$$

$$T_r = t'_1 + t'_2 + \dots$$

Function N : Safe-Guard Relay

Description

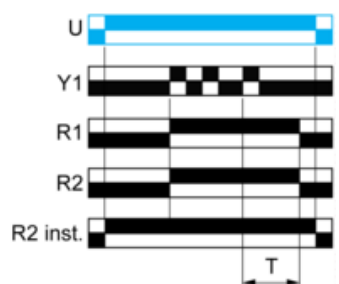
After energisation of power supply and on energization of Y1 cause the output(s) R close(s) and starts the timing T.

If the duration interval between 2 consecutive energization of Y1 is greater than the pre-set value T, the output(s) R close(s) at the end of the timing period.

If the duration interval between 2 consecutive energization of Y1 is less than the pre-set value T, the output(s) R remain(s) closed and timing restarted base on the last energization of Y1.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function O : Delayed Safe-Guard Relay

Description

On energisation of power supply, the timing T starts.

At the end of this timing period, the output(s) R close(s).

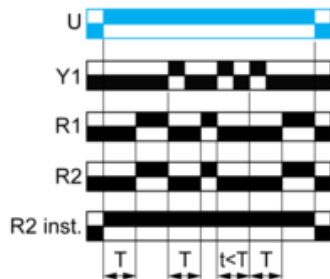
On energization of Y1, the output(s) R revert(s) to its/their initial state and the timing T restarts.

If the duration interval between 2 consecutive energization of Y1 is greater than the pre-set value T, the output(s) R close(s) at the end of the timing period.

If the duration interval between 2 consecutive energization of Y1 is less than the pre-set value T, the output(s) R remain(s) at its/their initial state and timing restarted base on the last energization of Y1.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function P : Pulse Delayed Relay with Fixed Pulse Length

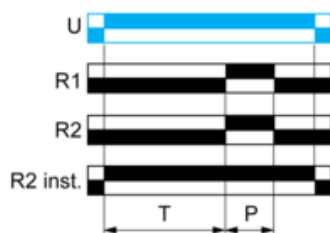
Description

On energisation of power supply, the timing T starts.

At the end of this period, the output(s) R close(s) for a fixed time P then revert(s) to its/their initial state.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



P = 500ms

Function Pt : Pulse Delayed Relay With Fixed Pulse Length and Pause / Summation Control Signal

Description

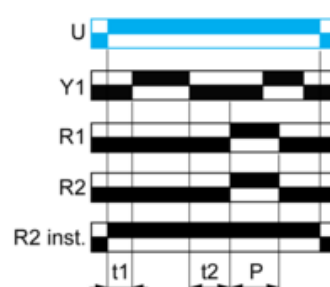
On energisation of power supply, the timing T starts.

The timing can be interrupted / paused each time Y1 energizes.

When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R close(s) for a fixed time P then revert(s) to its/their initial state.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



$T = t_1 + t_2 + \dots$

P = 500ms

Function Qt: Star-Delta Relay (2 CO Outputs with Split Common)

Description

On energisation of power supply, the output R3 & R4 initializes at its initial state such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts). At the end of the timing period T, the output R3 closes such that deenergizes STAR CONTACTOR and causes t transition time starts. At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

Function: 2 Output



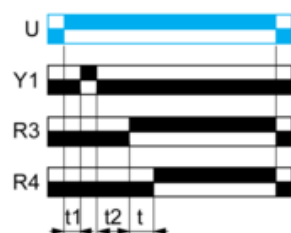
T = 50, 60... ms

Function Qtt: Star-Delta Relay (2 CO Outputs With Split Common) with Pause / Summation Control Signal

Description

On energisation of power supply, the output R3 & R4 initializes at its initial state such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts). During STAR connection time, the timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output R3 closes such that deenergizes STAR CONTACTOR and causes t transition time starts. At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

Function: 2 Output



T = t1 + t2 + ...

t = 50, 60 ... ms

Function TL : Bistable Relay with Control Signal On

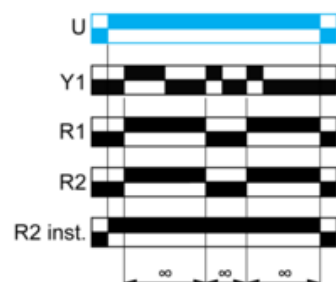
Description

After energisation of power supply and on energization of Y1 cause the output(s) R close(s). The subsequent on energization of Y1 cause the output(s) R revert(s) to its/their initial state.

This cycle is repeated indefinitely until power supply removal.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Function Tt : Retriggerable Bistable Relay with Control Signal On

Description

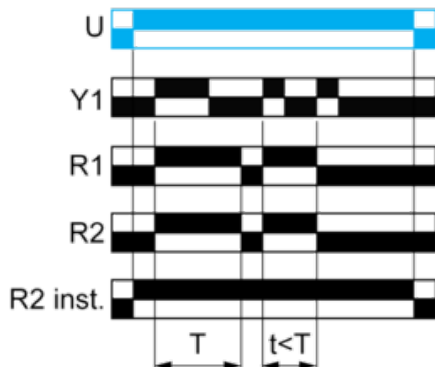
After energisation of power supply and on energization of Y1 cause the output(s) R close(s) and starts the timing T.

If the duration interval between 2 consecutive energization of Y1 is greater than the pre-set value T, the output(s) R will toggle from its/their present status the end of the timing period.

If the duration interval between 2 consecutive energization of Y1 is less than the pre-set value T, the output(s) R toggle from its/their present status as soon as Y1 energizes without completing T duration.

The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output

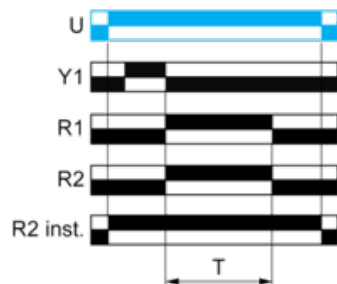


Function W: Interval Relay with Control Signal Off

Description

After energisation of power supply and on energization of Y1 following by deenergization of Y1, the output(s) R close(s) and starts the timing T. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 2 Output



Legend

Relay de-energised

Relay energised

Output open

Output closed

U -	Supply
R1/R2 -	2 timed outputs
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
Y1 -	Retrigger / Restart control
R2 inst. -	The second output is instantaneous if the right position is selected
T -	Timing period
R4 -	Delta contact output
t -	Delay to switch ON Delta contact output
R3 -	Star-Delta contact output